

Title (en)

Fuel cell devices and method therefor

Title (de)

Brennstoffzellenvorrichtungen und Verfahren dafür

Title (fr)

Dispositifs de pile à combustible et leur procédé

Publication

EP 1821031 A2 20070822 (EN)

Application

EP 07102165 A 20070212

Priority

US 77295306 P 20060214

Abstract (en)

A fuel cell device including a fuel cell flashlight having a modular, interchangeable head portion. Additional modular head portions include circuitry connected with a connector in the head portion. The connector includes a USB type connector and the fuel cell device is suitable for charging other devices such as cell phones, PDAs, digital audio players, and the like.

IPC 8 full level

F21L 13/00 (2006.01); **H01M 8/04** (2006.01)

CPC (source: EP US)

H01M 8/02 (2013.01 - EP US); **H01M 8/241** (2013.01 - EP US); **H01M 8/2432** (2016.02 - US); **H01M 8/2457** (2016.02 - EP US); **H01M 8/2475** (2013.01 - EP US); **H01M 8/04216** (2013.01 - EP US); **H01M 2250/30** (2013.01 - EP US); **Y02B 90/10** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Cited by

EP2652827A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1821031 A2 20070822; **EP 1821031 A3 20071121**; CA 2577655 A1 20070814; CA 2577655 C 20110405; CN 100544086 C 20090923; CN 101022168 A 20070822; JP 2007242606 A 20070920; JP 5066637 B2 20121107; US 2008003464 A1 20080103; US 7964313 B2 20110621

DOCDB simple family (application)

EP 07102165 A 20070212; CA 2577655 A 20070208; CN 200710080178 A 20070214; JP 2007030522 A 20070209; US 67341607 A 20070209